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616 DECEMBER 1915



CHELTEN ELECTRICAL SPECIALTIES

CHELTEN ELECTRIC CO.  
PHILADELPHIA

1915

"CHELTEN" SPECIALTIES  
APPROVED BY  
UNDERWRITERS' LABORATORIES, INC.



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SUPERSEDING PREVIOUS CATALOGUES AND BULLETINS  
1915



# "CHELTEN"

## ELECTRICAL SPECIALTIES

### 1915

*Push Button Switches*

*Brass Switch Plates*

*Plug Type Receptacles*

*Screw Type Receptacles*

*"Chelten" Flush Receptacles*

*Attachment Plugs*

*Indicating Heater Receptacles*

*Indicating Switch Receptacles*

*Standard and Special Plates*

*Pressed Steel Switch Boxes*

*Cast Iron Conduit Boxes*

*Adjustable Ground Clamps*

MANUFACTURED BY

**THE CHELTEN ELECTRIC CO.**  
INCORPORATED  
PHILADELPHIA

BRANCH SALES OFFICES

NEW YORK	CHICAGO	SAN FRANCISCO
CLEVELAND	ST. LOUIS	BOSTON
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FACTORIES OF THE "CHELTEN SPECIALTIES," PHILADELPHIA





## FOREWORD

In presenting this new catalogue we wish to take the opportunity of assuring our valued friends of our great appreciation of their past patronage and respectfully solicit their future co-operation.

To those who cannot be counted among our patrons, we ask only a sample order—confident that our products will give satisfaction.

Our specialties have been designed and are being manufactured with the one aim of “Quality” in mind, and neither money nor experience have been spared in reaching our goal.

**CHELTEN ELECTRIC CO.  
INCORPORATED**



## "CHELTEN" INSTALLATIONS

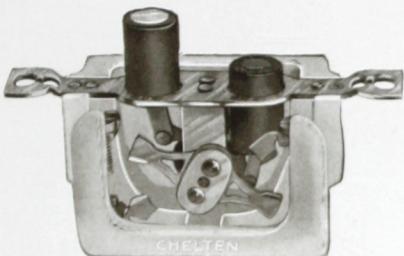


CITY OF WASHINGTON RESIDENCES AND APARTMENTS

OVER TWELVE THOUSAND "CHELTEN" SWITCHES AND RECEPTACLES INSTALLED BY  
CONTRACTORS WHO APPRECIATE QUALITY.



## "CHELTEN" SHALLOW FLUSH PUSH BUTTON SWITCHES



CAT. NO. 4000

PAT. MAY 7, 1912

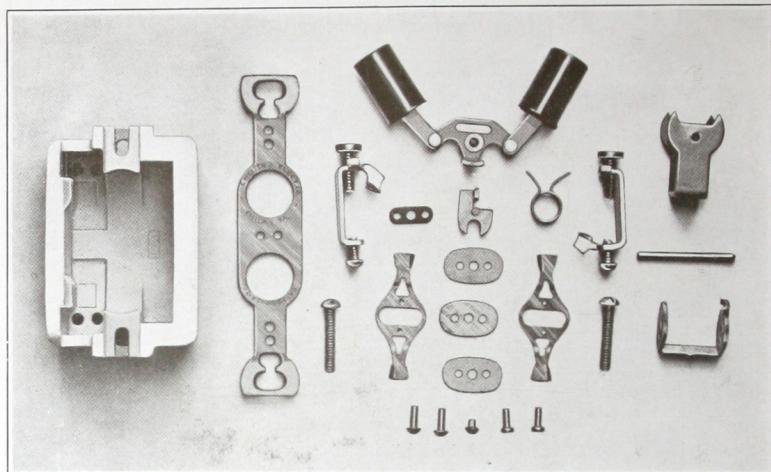
The "Chelten" Shallow Flush Push Button Switch is the result of a number of years' experience in the line of switch manufacture; by those who have been with the industry since its infancy. It is not a side line with us; it is our whole business. We have studied every detail, and have spared neither time nor expense in bringing our switch to its present state of perfection. It is because of this quality that we are in a position to insure satisfaction and give an absolute guarantee with each and every switch which leaves our factory.

Hundreds of thousands of these switches have been installed in buildings of all descriptions, and have given general satisfaction everywhere. We only ask to be given an opportunity to demonstrate the high efficiency of this "Chelten" Switch, and are confident the results will merit your approval.

They are strong both electrically and mechanically, and are warranted to withstand most severe usage.

Approved by the Underwriters' Laboratories, Inc., and labeled under their inspection.

For List Prices, See Page 11.



"CHELTEN" SINGLE POLE SWITCH PARTS

## SERVICE

"Chelten" Switches have been tested to operate over five hundred thousand makes and breaks. Exceedingly easy and noiseless push, with a smooth, positive locking action. Will break 15 amperes, 250 volts, or 200 per cent. overload, the Underwriters requiring but 50 per cent. Are moisture-proof, insulation not being affected by water or oil.

## MATERIAL

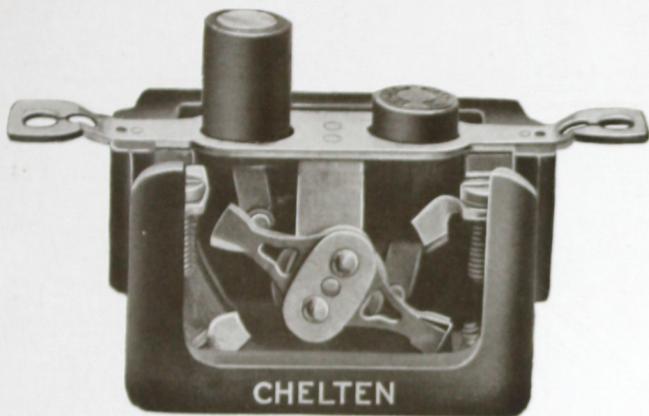
In the manufacture of this switch we use the best material obtainable. Porcelain are especially strong, to prevent breakage. Blades of spring phosphor bronze. Steel wearing parts are case-hardened, to prevent wear, and copper-plated, to prevent rust. All parts are uniform, and are assembled in jigs. Binding screws, 8-32, with large heads. Switches are shallow, being  $1\frac{7}{8}$ " deep.

## MECHANISM

Our design is simple, not complicated, so there is practically nothing to get out of order. We do not depend upon any secondary spring for our locking action. Terminals are held in the base firmly, and are formed from the same piece of brass as the brush, thus forming a solid conductor, and allowing the free flowing of the current. Blades are designed to give strong spring contact on the brush, and are provided with proper flare, so they may easily center themselves on the brushes.



## "CHELTEN" SHALLOW FLUSH COMPOSITION PUSH BUTTON SWITCHES



CAT. NO. 4000-A

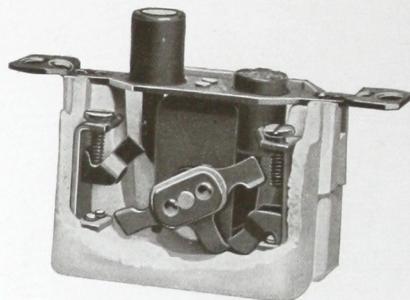
To satisfy several very exacting architects, who required something "Special"—something the market could not offer—we designed the "Chelten" Switch with Composition Base. Composition, as is well recognized, is being used more and more in the case of high class specialties—and only in high class specialties—in place of porcelain. It costs 30 to 50% more than porcelain, so naturally it is being used sparingly.

In offering this switch we believe we have taken a forward step which will interest those who appreciate quality. Our one aim in designing this switch is to offer the "best," and we are confident a sample will convince you. It is made in all types, both standard and lock, and is approved and labeled by the underwriters.

For List Prices, See Page 11.



## "KEYSTONE" FLUSH PUSH BUTTON SWITCHES



CAT. NO. 6000

To meet the general demand for a less expensive switch, we have designed the "Keystone" Switch along the lines of several switches now upon the market. It has the solid blade, positive locking action, copper dipped parts to prevent rust—shallow, and like all "Chelten" products is guaranteed to "give service."

The "Keystone" is approved by the Underwriters' Laboratories, Inc., and labeled under their supervision.

This switch is made in the single pole, double pole, and three-way type.

For List Prices, See Page 11.



WOODWARD BUILDING, WASHINGTON, D. C.  
CHELTEN SWITCHES INSTALLED

## PUSH BUTTON SWITCHES

"Chelten" "Chelten Composition Base" "Keystone"  
LIST PRICES

CAT. NO.	CHELTEN	COMPOSITION	KEYSTONE	STAND. PKG.	LIST PRICE
4000	4000-C	6000	Single Pole	100	\$0.45
4001	4001-C	6001	Double Pole	100	.70
4002	4002-C	6002	Three-Way	100	.70
4004	4003-C	*	Four-Way	10	1.75

Rated—10 amps., 125 volts; 5 amps., 250 volts; D. P. 10 amps., 250 volts; standard pkg. weight, gross 45 lbs.

Lock Switches may be assorted with standard Switches to make up standard packages.

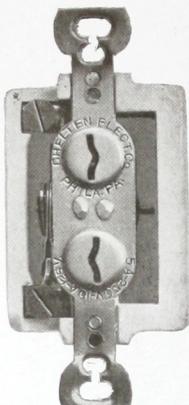
\* "Keystone" Switches not manufactured in "four-way" type.

All types labeled and approved by the Underwriters.

When simply "Chelten" switches are specified, those with porcelain bases will be furnished.



## "CHELTEN" SHALLOW FLUSH PUSH BUTTON LOCK SWITCHES



CAT. NO. 4004



Lock Switches are designed for use in apartments, stores, public buildings, and other such places where the switch is exposed to the public, but must be controlled by a few. With these switches it is necessary to possess a key in order to operate them.

In the manufacture of the "Chelten" Lock Switch, we use the same superior mechanism found in our standard "Chelten" switch.

Manufactured in both Porcelain and Composition Base type—porcelain always furnished unless otherwise specified.

### LIST PRICES

CAT. NO.		AMPS.	VOLTS	STAND. PKG.	PKG. WGT.	LIST PRICE
4004	Single Pole . . . . .	10	125	100	45	\$0.95
		5	250			
4005	Double Pole . . . . .	10	125	100	45	1.20
		10	250			
4006	Three-Way . . . . .	10	125	100	45	1.20
		5	250			
4007	Four-Way . . . . .	10	125	10	7	2.25
		5	250			
4200	Key only . . . . .			10	1	.15

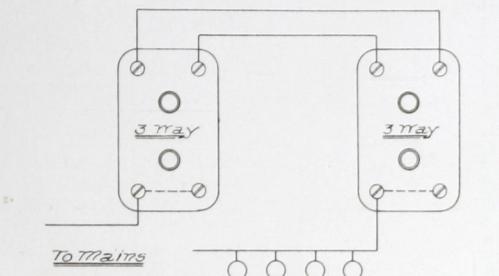
One key is furnished with each switch.

Outside supporting screws,  $3\frac{5}{8}$  inches on centers.

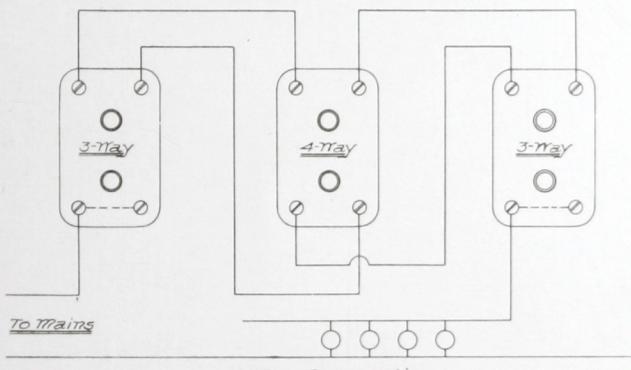
Standard switches may be assorted with lock switches to make up standard packages.



## WIRING DIAGRAM FOR PUSH BUTTON SWITCHES



3-Way Connections



4-Way Connections

Single-pole and double-pole Switches are used for controlling a circuit from one point.

Three-way Switches control a group of lights from either one or two places, a switch being located at each place.

A Four-way Switch is used in conjunction with two Three-way Switches where a light or group of lights is to be controlled from three places. Where it is necessary to control lights from more than three places, additional Four-way Switches are put into the circuit.



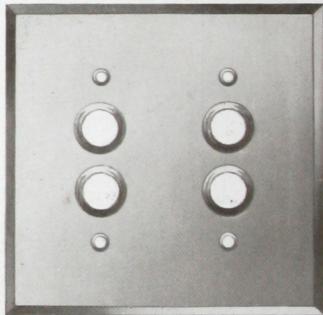
## "CHELTEN" BRASS PLATES



CAT. NO. 5011

The Plate is always most prominent on the wall, and is that part of the entire wiring installation which comes most forcibly to the attention of your customer. A poor plate with poorly beveled edges, and of inferior quality, will ruin what otherwise would be a first-class job. "Chelten" plates are inspected carefully, and each one receives individual attention. Our finishes not only show up well but are lasting—all plates are made from brass—we do not manufacture nor recommend the brass plated steel article.

Unless otherwise specified, plates are always furnished with a rich Brush Brass finish. Other standard finishes are Polished Brass, Oxidized Copper and Nickel, for which we make no extra charge. Our Plating department, however, is prepared to furnish any finish to match the hardware.



CAT. NO. 5012

Solid Plates can be made in any size from one-gang up. Stamped Switch Plates are furnished only in one, two and three gangs. Large sizes we have found readily buckle, so we have discontinued their manufacture.

For Combination Plates, See Pages 16-17.



## "CHELTEN" SWITCH PLATES



CAT. NO. 501B

workmen, and so packed that each plate reaches you in perfect condition.

We take great pride in our Switch Plates, and turn out only those which have been carefully inspected. Edges are properly beveled, finished by high-class

## PUSH BUTTON SWITCH PLATES

## LIST PRICES

Stamped Face Plates . . . . . 040 in. Brass  
Solid Face Plates . . . . . No. 10 B. & S. Brass

#### STAMPED PLATES

CAT. NO.	SIZE	STAND. PKG.	PKG. WT.	LIST PRICE
5011	For 1 Switch, $4\frac{1}{2}$ x $2\frac{3}{8}$ in.	100	20	\$0.15
5012	For 2 Switches, $4\frac{1}{2}$ x $4\frac{3}{16}$ in.	50	40	.30
5013	For 3 Switches, $4\frac{1}{2}$ x $6\frac{1}{8}$ in.	35	55	.45

Stamped Plates in larger gangs are not recommended, as they readily buckle.

## SOLID PLATES

5014	For 1 Switch, $4\frac{1}{2} \times 2\frac{3}{4}$ in.	25	30	.35
5015	For 2 Switches, $4\frac{1}{2} \times 4\frac{3}{16}$ in.	15	55	.70
5016	For 3 Switches, $4\frac{1}{2} \times 6\frac{3}{8}$ in.	10	100	1.05
5017	For 4 Switches, $4\frac{1}{2} \times 8\frac{3}{16}$ in.	10	120	1.40
5018	For 5 Switches, $4\frac{1}{2} \times 10$ in.	10	140	1.75
5019	For 6 Switches, $4\frac{1}{2} \times 11\frac{3}{16}$ in.	5	160	2.10
5020	For 7 Switches, $4\frac{1}{2} \times 13\frac{3}{8}$ in.	3	180	2.45
5021	For 8 Switches, $4\frac{1}{2} \times 15\frac{7}{16}$ in.	3	200	2.80

## TANDEM SOLID PLATES

5025	For 2 Switches, 2 $\frac{3}{4}$ x 8 $\frac{1}{2}$ in.	10	80	.70
5026	For 3 Switches, 2 $\frac{3}{4}$ x 11 $\frac{1}{2}$ in.	5	100	1.05
5027	For 4 Switches, 2 $\frac{3}{4}$ x 15 $\frac{1}{2}$ in.	5	120	1.40

Switches in gangs are spaced 1½ inches on centers.

Switches in "tandem" are spaced 3½ inches on centers.

Standard Finishes: Brush Brass, Polished Brass, Oxidized Copper, Nickel.

Plates will be furnished in Brush Brass, unless otherwise specified.  
Weights are per hundred plates packed for shipping.



## "CHELTEN" SPECIAL PLATES



CAT. NO. 58

We are prepared to manufacture any special plate which might be desired. When ordering those made up of gangs, as shown on next page, it is necessary only to specify the letters. List prices are obtained by adding together the separate list price of each gang.

### LIST PRICES

#### COMBINATION PLATES WHICH ARE GENERALLY CARRIED IN STOCK

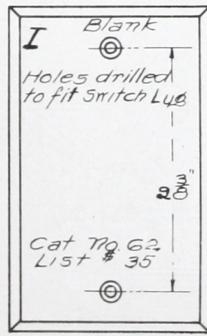
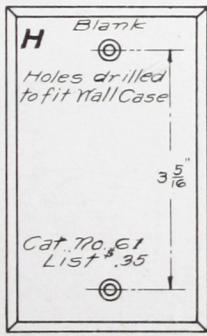
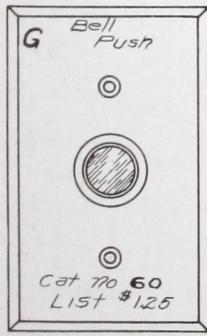
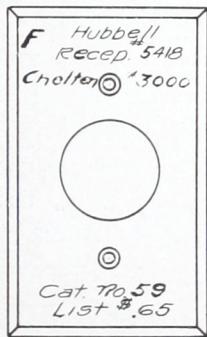
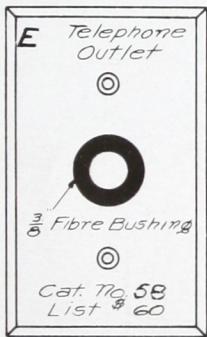
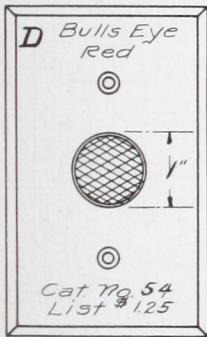
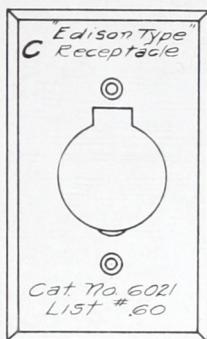
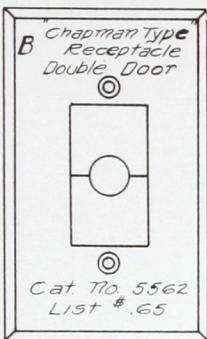
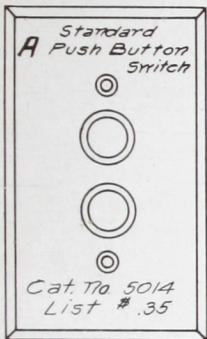
CAT. NO.	PLATE LETTERS	PLATE	STAND. PKG.	LIST PRICE
50	B A	Plug Receptacle and Switch . . . . .	10	\$1.00
51	C A	Screw Receptacle and Switch . . . . .	10	.95
52	F A	"Chelten" Receptacle, No. 3000, and Switch . . . . .	10	1.00
53	D A	Indicating Switch Receptacle . . . . .	10	1.60
54	D	Red Bull's-eye . . . . .	10	1.25
55	B D A	Indicating Heater—Plug type . . . . .	10	2.25
56	C D A	Indicating Heater—Screw type . . . . .	10	2.20
56-A	F D A	Indicating Heater—"Chelten" type . . . . .	10	2.25
57	G A	Bell Push and Switch . . . . .	10	1.60
58	E	Telephone Outlet, for $\frac{3}{8}$ -in. Bushing . . . . .	10	.60
59	F	For "Chelten" Receptacle, No. 3000 . . . . .	10	.65
60	G	For Bell Push . . . . .	10	1.25
61	H	Blank—to fit Wall Case . . . . .	25	.35
62	I	Blank—to fit Switch Lug . . . . .	10	.35
63	H H	Two-gang Blank—to fit Wall Case . . . . .	5	.70
64	H H H	Three-gang Blank—to fit Wall Case . . . . .	5	1.05

Will be furnished with Brush Brass finish, unless otherwise specified.  
Ten per cent. extra list for Tandem Combination Plates.



## "CHELTEN" SPECIAL PLATES

For information relative to ordering special plates, refer to previous page





## "CHELTEN" SHALLOW FLUSH COMPOSITION RECEPTACLES

10 Amps., 250 Volts, Interchangeable.

PATENT APPLIED FOR

The "Chelten" shallow flush Composition Receptacle, Cat. No. 3000—a new member of an old family—although upon the market but a short time is being given a wonderful reception. This is another case where we lead by not only making the cap of non-breakable composition, but the receptacle as well.

All parts, that is the receptacles, plates and caps, are interchangeable with similar receptacles and attachment plugs now upon the market.

Strong—neat—compact—shallow—heavy binding screws—interchangeable, and of course approved.

### LIST PRICES

CAT. NO.		STAND.	WT. PKG.	LIST PER 100	PRICE
3000	Complete(Recep.,Cap,Plate)	100	.75	\$1.40	
3001	Receptacle with plate only . . .	100	.65	1.25	
3002	Receptacle only . . . . .	100	.45	.60	
3003	Cap only (Composition) . . . . .	100	.10	.20	
3004	Cap only (Brass covered) . . . . .	25	.15	.30	
3011	Single-gang Plate . . . . .	100	.20	.65	
3012	Two-gang Plate . . . . .	50	.55	1.30	
3013	Three-gang Plate . . . . .	35	.55	1.95	
3014	Four-gang Plate . . . . .	25	.55	2.60	

Receptacles and caps made of non-breakable composition—plates of .060 brass.



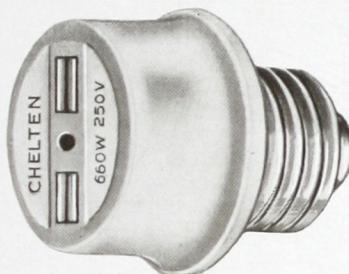
CAT. NO. 3000





**"CHELTEN"**  
**SEPARABLE COMPOSITION ATTACHMENT PLUGS**

660 Watts—250 Volts



CAT. NO. 2002

A neat, compact Separable Attachment Plug, with Cap. Made of high-grade porcelain. Current carrying parts designed to give maximum service.

Approved, interchangeable, and guaranteed to give satisfaction.

**LIST PRICES**

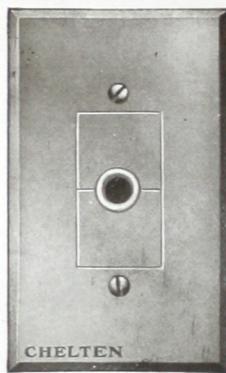
CAT. NO.		STAND. PKG.	PKG. WT.	LIST PRICE
2000	Plug with Composition Cap . . . . .	100	30	\$0.35
2001	Plug with Brass-covered Cap . . . . .	50	35	.50
2002	Attachment Plug only . . . . .	100	20	.20
3003	Cap only (Compositon) . . . . .	100	10	.20
3004	Cap only (Brass covered) . . . . .	25	15	.30



## "CHELTEN" FLUSH RECEPTACLES AND INTERCHANGEABLE PLUGS

Approved also by Supervising Architect, Treasury Department,  
for use under their Specifications

### CHAPMAN TYPE



CAT. NO. 5559

The "Chelten" Flush Receptacles and Plugs have been so designed that they are **interchangeable** with the Chapman type, but much stronger mechanically. We place a through hole in the center of the plug, which allows of sufficient space for a knot, upon which the strain falls when the plug is removed from the receptacle by means of the cord. Plugs are well finished and compact, and readily stand more than ordinary usage.

We are also prepared to furnish an unbreakable **Composition Plug** when purchased in connection with our Plate and Receptacle, at the same price as the Porcelain Plug.

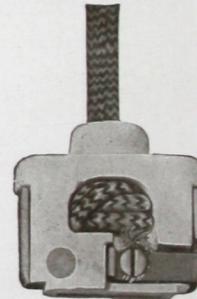
Long binding screws are used, making this Plug very easy to wire.

Receptacles are shallow, of strong porcelain, and will fit any standard Box.

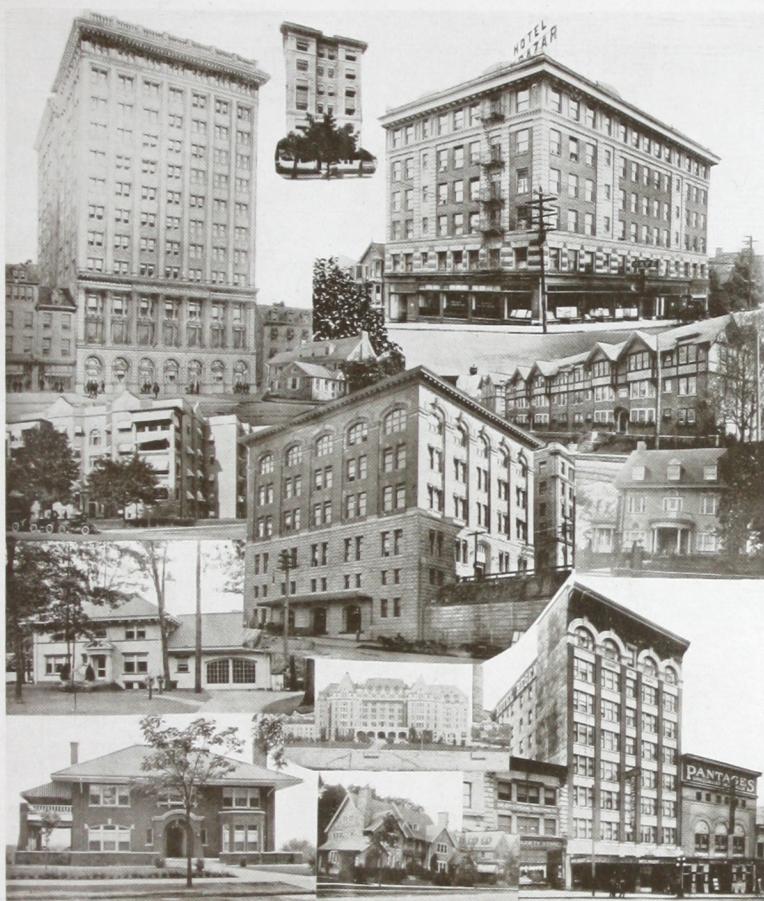
Plates are well finished, edges are properly beveled, and doors work smoothly and fit well.

Plates can be furnished in any of the finishes described in detail under "Switch Plates," and are made in the solid and struck-up types.

List Prices, Next Page.



CAT. NO. 5561



A FEW RECENT BUILDINGS IN WHICH "CHELTEN" SPECIALTIES  
HAVE BEEN INSTALLED

## PLUG AND RECEPTACLE

(CHAPMAN TYPE)

### LIST PRICES

CAT. NO.		STAND. PKG.	PKG. WT.	LIST PRICE
5559	Plug and Receptacle, complete, with Plate .	100	70	\$1.15
5560	Receptacle only . . . . .	100	20	.40
5561	Plug only (Porcelain) . . . . .	100	10	.20
5561-A	Plug only (Composition) . . . . .	50	10	.40*
5562	Single Face Plate . . . . .	100	55	.55
5563	Two-gang Face Plate . . . . .	50	55	1.10
5564	Three-gang Face Plate . . . . .	35	60	1.65
5565	Four-gang Face Plate . . . . .	25	60	2.20

\* Composition Plugs, when ordered in standard packages with our Plates and Receptacles, may be assorted at the same list price as the Porcelain Plug.



## "CHELTEN" FLUSH SCREW RECEPTACLES

For Edison Base Screw Plugs

3 Amperes, 250 Volts—National Electrical Code Standard



CAT. NO. 6019

The "Chelten" Flush Receptacle for Edison Base Screw Plugs has been designed to take care of several defects found in a number of the Receptacles now upon the market. We have placed a solid brass washer at the base of our Receptacle, to prevent the shell from coming loose should the cord attachment be subjected to sudden strain. We have found by actual experience that this method is preferable to holding the shell in by means of simply one or two screws.

The Receptacle Plate is dust-proof when the door is closed, and, in fact, presents the appearance of a solid plate, the door fitting perfectly. The finish is similar to those listed on the previous page. Made in the solid and struck-up type. Plate  $4\frac{1}{2}$  x  $2\frac{3}{4}$ .

### LIST PRICES

CAT. NO.		STAND. PKG.	PKG. WT.	LIST PRICE
6019	Receptacle, complete, with Solid Plate . . . . .	100	100	\$0.90
6019-A	Receptacle, complete, with Stamped Plate . . . . .	100	90	.80
6020	Receptacle only . . . . .	100	50	.30
6021	Single-gang Face Plate (Solid) . . . . .	100	50	.60
6021-A	Single-gang Face Plate (Stamped) . . . . .	100	40	.50
6022	Two-gang Face Plate . . . . .	10	20	1.20
6023	Three-gang Face Plate . . . . .	5	15	1.80
6024	Four-gang Face Plate . . . . .	5	20	2.40



EMPERSS HOTEL, VICTORIA, B. C.—“CHELTEN” SWITCHES INSTALLED

## IMPORTANT INSTALLATIONS OF “CHELTEN” SPECIALTIES

Detroit Athletic Club, Detroit, Mich.  
The Brighton Apartments, Washington, D. C.  
E. T. Stotesbury Residence, Philadelphia, Pa.  
Asylum for Insane, Battleford, Sask.  
Philadelphia Stock Exchange, Philadelphia, Pa.  
The Dresden Apartments, Washington, D. C.  
Woodward Building, Washington, D. C.  
Vassar College, Poughkeepsie, N. Y.  
State Capitol, Albany, N. Y.  
Empress Hotel, Victoria, B. C.  
Charlevoix Apartments, Cleveland, O.  
Trinity Court Apartments, Boston, Mass.  
Campbell Building, Victoria, B. C.  
General City Hospital, Winnipeg, Canada.  
American National Bank, San Diego, Cal.  
Alcazar Hotel, Vancouver, B. C.



## "CHELTEN" INDICATING HEATER RECEPTACLES

For Electric Heaters, Irons, Etc.

CHAPMAN PLUG TYPE



CAT. NO. 30

10 AMPERES—125 VOLTS

The architect, in planning the modern house, as a rule, locates proper outlets for the several electric heaters. These are to be found in the bath-room, where curling irons and water heaters are used; in the laundry, where electric irons are used, and in the butler's pantry, where electric dish warmers, chafing dishes, and similar heaters are used.

The Underwriters require some means to indicate when the current is on, in order to guard against the possible danger of the heater setting fire to the surrounding woodwork.

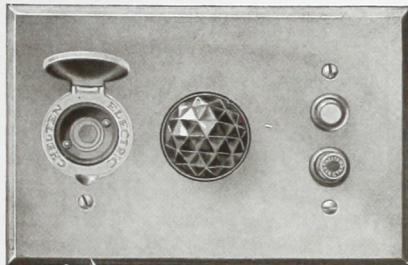
For List Prices, See Page 26.



## "CHELTEN" INDICATING HEATER RECEPTACLES

For Electric Heaters, Irons, Etc.

EDISON SCREW TYPE



CAT. NO. 31

6 AMPS.—125 VOLTS (660 WATTS)

One of the most practical and neatest devices for this purpose is the "Chelten" Indicating Heater Receptacle. This Receptacle is mounted in a standard three-gang wall box. The face plate has a Receptacle at one end, a Push Button Switch at the other, and a one inch red cut glass bull's-eye in the center, back of which is mounted a small signal lamp, which tells at a glance whether the current is on or off.

We also manufacture an Indicating Heater Receptacle, which has, instead of the bull's-eye, a Sign Receptacle mounted on the plate, in order that an ordinary sixteen candle power lamp may answer the purpose of the small enclosed lamp of our other type.

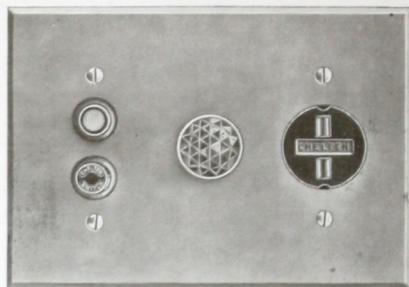
For List Prices, See Page 26.



## "CHELTEN" INDICATING HEATER RECEPTACLES

For Electric Heaters, Irons, Etc.

### CHELTEN TYPE



CAT. NO. 31-A

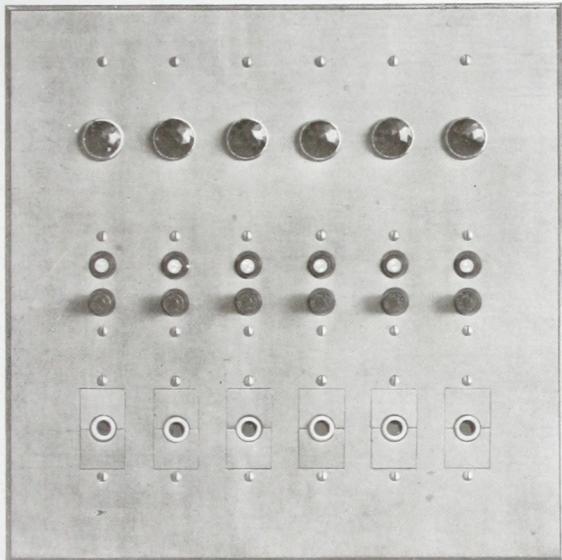
10 AMPS.—125 VOLTS

### LIST PRICES

CAT. NO.	SPECIALTY	STAND. PKG.	PKG. WT.	LIST PRICE
30	Complete device, including Plate, Double Pole Switch, Plug and Receptacle, Three-gang Switch Box, Lamp and Base Receptacle . . . . .	5	20	\$6.00
31	Complete device, including Plate, Single Pole Switch, Screw Receptacle, Three-gang Switch Box, Lamp and Base Receptacle . . . . .	5	20	5.50
31-A	Complete device, including Plate, Double Pole Switch, "Chelten" Composition Receptacle, Three-gang Switch Box, Lamp and Base Receptacle . . . . .	5	20	6.00
32	Complete device, including Plate, Double Pole Switch, Plug and Receptacle, Three-gang Switch Box, Sign Receptacle . . . . .	5	20	5.00
33	Complete device, including Plate, Single Pole Switch, Screw Receptacle, Three-gang Switch Box, Sign Receptacle . . . . .	5	20	4.50



## "CHELTEN" INDICATING HEATER RECEPTACLES



SPECIAL SIX-GANG

These Receptacles are designed in different types to meet the requirements of all. When ordering, be sure to specify the catalogue number so no error will be made in shipment. Unless otherwise specified, a rich Brush Brass finished Plate will be furnished.

Larger gang Indicating Heater Receptacles made to specifications.

For List Prices, See Page 26.



## "CHELTEN" INDICATING SWITCH RECEPTACLES

For Cellar and Vault Lights—Remote Control of Motors  
10 AMPERES—125 VOLTS



CAT. NO. 40

This wiring specialty has been carefully designed for the control of cellar or vault lights, the distant control of motors, vacuum cleaners, etc. The plate, consisting of a neat one inch cut glass red bull's-eye together with outlets for switch buttons, is made in two styles, to fit either a Two-gang or Tandem Box. In the rear of the Bull's-eye has been placed a four candle power 110-volt candelabra lamp mounted in a porcelain base, the lamp showing whether the current is on or off.

When used with a Momentary Contact Switch, it makes an ideal installation for the direct control of motors, such as to drive vacuum cleaners, etc., the light showing whether the motor is on or off, and reminding the operator to shut it off when through.

### LIST PRICES

CAT. NO.

		STAND. PKG.	PKG. WT.	LIST PRICE
40	Complete, with Plate, <b>Single Pole</b> Push Button Switch, <b>Tandem Box</b> , Lamp and Base Receptacle . . . . .	5	15	\$4.50
41	Complete, with Plate, <b>Single Pole</b> Push Button Switch, <b>Two-gang Box</b> , Lamp and Base Receptacle . . . . .	5	15	4.50
42	Complete, with Plate, <b>Momentary Contact</b> Switch, <b>Tandem Box</b> , Lamp and Base Receptacle . . . . .	5	15	7.00
43	Complete, with Plate, <b>Momentary Contact</b> Switch, <b>Two-gang Box</b> , Lamp and Base Receptacle . . . . .	5	15	7.00



CAT. NO. 41



## WIRING DIAGRAM FOR

### "CHELTEN" INDICATING SWITCH RECEPTACLE

For Controlling Vacuum Cleaners from Several Points

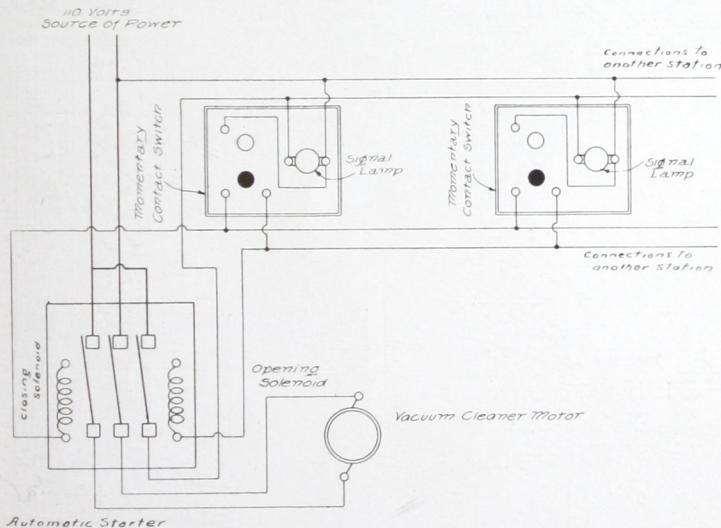


Diagram of Connections

Showing wiring of momentary contact switch and signal lamps for controlling stationary vacuum cleaner from several points



## "CHELTEN" SECTIONAL SWITCH BOXES

PATENTED

Ganged without Screws  
For New or Old Work

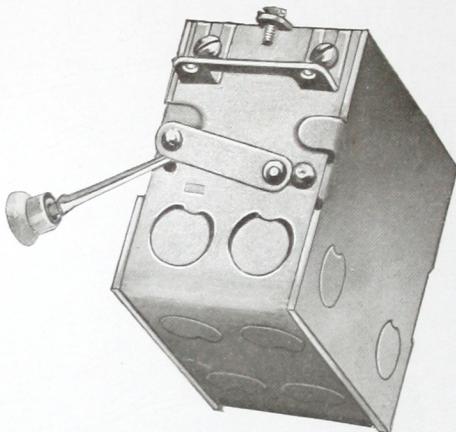


FIG. 1

Special attention is called to the New "Chelten" Box, so constructed that there are no loose parts. The screws and parts found loose in other boxes are replaced in this box by pins, held in place by flat springs. They can be readily ganged with little effort in less than half the usual time. Money savers in every way.

In ganging the "Chelten" Box, it is simply necessary to remove the side by inserting a screw driver, pen knife, nail or other handy article under the springs, and then raising them to the up position (Fig. 1). With the springs in this position the side readily pulls out (Fig. 2).

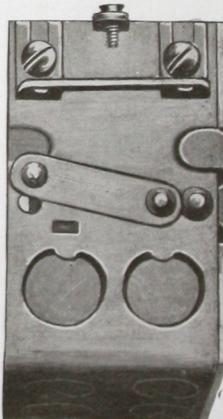


FIG. 2



## SWITCH BOXES

For New or Old Work

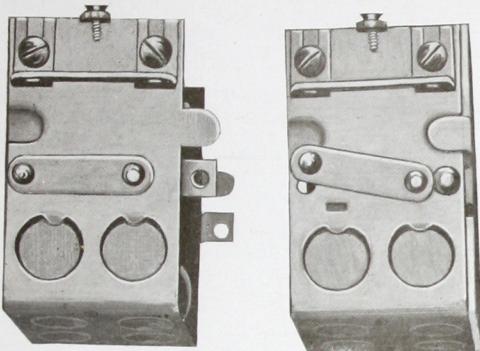


FIG. 3

### LIST PRICES

CAT. NO.		STAND. PKG.	WT. PER 100	LIST PRICE
8800	3" Box for Loom . . . . .	100	80	\$0.50
8801	3" Spacer for Loom . . . . .	100	75	.40
9900	3" Box for Pipe . . . . .	100	80	.50
9901	3" Spacer for Pipe . . . . .	100	75	.40
7801	2" Box for Loom . . . . .	100	75	.50
7802	2" Spacer for Loom . . . . .	100	70	.40
6800	2" Box for Pipe (Solid type) . . . . .	100	75	.50
<b>CLAMP TYPE FOR FLEXIBLE CONDUIT</b>				
8800-c	3" Box with Clamps . . . . .	100	80	.60
8801-c	3" Spacer with Clamps . . . . .	100	75	.50
<b>WITH BEVELED CORNERS</b>				
7700	2½" Box—beveled corners . . . . .	100	80	.50
7701	2½" Spacer—beveled corners . . . . .	100	75	.40
7000-c	2½" Box—beveled corners with clamps . . . . .	100	80	.60
7001-c	2½" Spacer—beveled corners with clamps . . . . .	100	75	.50

Standard packages may be assorted.

Ear arranged for New Work unless otherwise specified.

Boxes are stamped from .081 steel, and finished in black enamel.

Ganged without screws. No loose parts to lose. Approved, of course.

The Spacer can then be pushed into the place formerly occupied by the side (Fig. 3). With the Spacer in place, the side removed from the original box is used to complete the gang box (Fig. 4). Gang boxes can be made by using extra spacers.

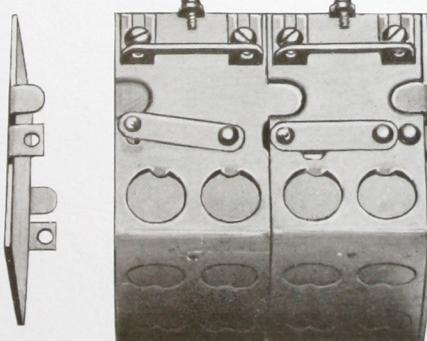
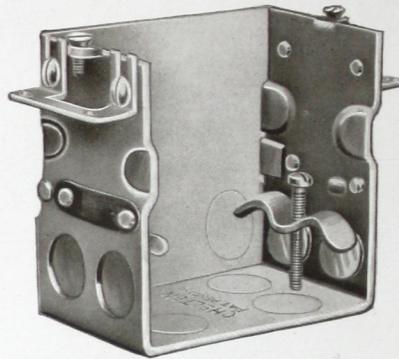


FIG. 4



## "CHELTEN" SWITCH BOXES

With CLAMPS for Flexible Conduit



CAT. NO. 8800-C

Our patented box, which can be ganged without screws, as described on the previous page, has also been designed with a clamp for use in connection with fastening flexible conduit. This idea for holding the conduit rigidly is meeting with general approval, and to use our box once will make you one of our regular customers.

Prices, with clamps, are but little in advance of the regular type, and we would be pleased to quote discounts on application.

### LIST PRICES

CAT. NO.		STAND. PKG.	WT. PER 100	LIST PRICE
8800-C	3" Box with Clamps . . . . .	100	80	\$0.60
8801-C	3" Spacer with Clamps . . . . .	100	75	.50
7000-C	2½" Box—Clamps, Beveled corners	100	80	.60
7001-C	2½" Spacer— " " "	100	75	.50

Standard Packages may be assorted.

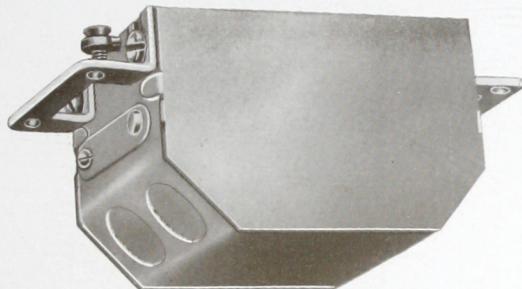
Finished in Black Enamel.



## "CHELTEN" SWITCH BOXES—BEVELED CORNERS

For Old or New Work— $2\frac{1}{2}$ " Deep

For Use with Non-Metallic Flexible Conduit



CAT. NO. 7700

Designed in our patented spacer type, with corners beveled. This box can be used to great advantage in the wiring of old buildings where space is limited. The corners being beveled, tends to make the "fishing" of the conduit much easier. Take all standard Push Button Switches and Receptacles.

### LIST PRICES

CAT. NO.	STAND. PKG.	WT. PER 100	LIST PRICE
7700 2 $\frac{1}{2}$ " Box, beveled corners . . .	100	80	\$0.50
7701 2 $\frac{1}{2}$ " Spacer for same . . .	100	75	.40
7000-C 2 $\frac{1}{2}$ " Box, beveled corners, clamps . . .	100	80	.60
7001-C 2 $\frac{1}{2}$ " Spacer " " "	100	75	.50

Standard packages may be assorted.

Finished in Black Enamel.



## "CHELTEN" CAST IRON CONDUIT BOXES

For Open or Exposed Work



CAT. NO. 8860

This Conduit Box is made of cast iron, neatly finished in black enamel, and so designed to take the "Chelten" or any other standard flush Push Button Switch or Receptacle.

They can be furnished in any size up to four-gangs for use in all open and exposed places. This box is so designed and cast that the plate does not project over the edges, thus giving an excellent appearance. Unless specified, boxes will be furnished undrilled.

### LIST PRICES

CAT. NO.	STAND. PKG.	PKG. WT.	LIST PRICE
8860 Single-gang Box . . . . .	10	25	\$0.60
8861 Two-gang Box . . . . .	5	20	1.20
8862 Three-gang Box . . . . .	5	25	1.80
8863 Four-gang Box . . . . .	5	30	2.40

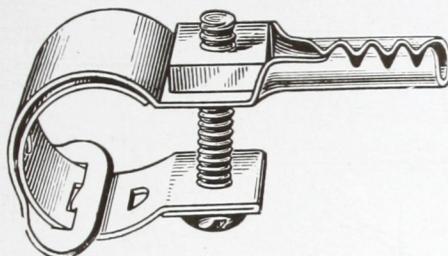
Drilling extra:— 2 cents net for  $\frac{1}{2}$ -in. or  $\frac{3}{4}$ -in. pipe holes.  
5 cents net for 1-in. holes.



## AMERICAN ADJUSTABLE GROUND CLAMP

For Power and Light Circuits

Approved by the Underwriters



PAT. JAN. 18, 1910

"THE CLAMP THAT CLAMPS"

In presenting our patented Adjustable Ground Clamps, we are filling a long-felt want for a Clamp that is easily and quickly adjusted to any size pipe, giving excellent contact and ground with little labor, and presenting a most finished appearance. We manufacture them in three sizes for all pipes ranging in size from  $\frac{3}{8}$  inch to 3 inches. With the "American" Clamp it is unnecessary to carry in stock a dozen different size Clamps to meet requirements. By means of simply a screw driver, it may be adjusted to the pipe.

"American" Clamps are made from pure copper, in two parts, interlocked, so that it makes an absolute and permanent contact when fastened to the pipe with screw and lock nut.

The lug for wire connection is notched and tinned, which allows for the free flow of solder. When the lug is pressed together, it forms a perfect, solid joint.

A request will bring a sample by return mail.

### LIST PRICES

SIZE	FOR USE WITH	STAND PKG.	PKG. WT.	LIST PRICE
No. 1	$\frac{3}{8}$ -in., $\frac{1}{2}$ -in., $\frac{3}{4}$ -in. and 1-in. Pipe . . .	100	9	\$0.20
No. 2	$1\frac{1}{4}$ -in., $1\frac{1}{2}$ -in. and 2-in. Pipe . . . .	50	7	.25
No. 3	$2\frac{1}{2}$ -in. and 3-in. Pipe . . . . .	25	6	.30



## FREIGHT RATES PER HUNDRED POUNDS FROM PHILADELPHIA

	SWITCHES AND RECEPTACLES	WALL BOXES	PARCEL POST ZONE
Atchison, Kan.	\$1.37	\$0.98	6
Atlanta, Ga.	1.17	.92	5
Baltimore, Md.	.23	.18	2
Boston, Mass.	.35	.25	3
Buffalo, N. Y.	.39	.28	3
Calgary, Alberta	3.22	2.16	8
Chicago, Ill.	.69	.48	5
Cleveland, Ohio	.47	.34	4
Dallas, Texas	2.26	1.78	6
Davenport, Iowa	.84	.58	5
Denver, Colo.	2.44	1.84	7
Des Moines, Iowa	1.16	.84	5
Detroit, Mich.	.53	.37	4
Indianapolis, Ind.	.64	.45	4
Jacksonville, Fla.	1.06	.71½	5
Kansas City, Mo.	1.37	.98	6
Lincoln, Neb.	1.42	1.03	6
Los Angeles, Cal. (Boat from New York)	1.50	1.25	8
Memphis, Tenn.	.94	.63	5
Minneapolis, Minn.	1.09	.74	5
Montreal, Canada	.55	.37	8
Milwaukee, Wis.	.69	.48	5
Nashville, Tenn.	.85	.58	5
New Orleans, La.	1.12	.76	6
New Orleans, La. (by Boat)	.70	.70	6
New York, N. Y.	.22	.15	2
Oklahoma City, Okla.	2.09	1.66	6
Omaha, Neb.	1.37	.98	6
Peoria, Ill.	.77	.53	5
Pittsburgh, Pa.	.39	.28	3
Portland, Oregon (Boat from New York)	1.50	1.25	8
Regina, Sask.	2.55	1.72	8
St. Joseph, Mo.	1.37	.98	6
St. Louis, Mo.	.82	.57	5
San Francisco, Cal.	3.70	3.20	8
San Francisco, Cal. (Boat from New York)	1.50	1.25	8
Seattle, Wash. (Boat from New York)	1.50	1.25	8
Springfield, Ill.	.82	.57	5
Toronto, Canada	.57	.39	8
Vancouver, B.C. (Boat from New York)	1.60	1.35	8
Washington, D.C.	.28	.20	2
Wichita, Kansas	1.92	1.48	6
Winnipeg, Canada	1.94	1.30	8



## INDEX

CAT. NO.	SPECIALTY	STAND. PKG.	LIST	PAGE
<b>SWITCHES (PUSH BUTTON) ("CHELTEN")</b>				
4000	Single Pole . . . . .	100	\$0.45	7-8-11
4001	Double Pole . . . . .	100	.70	
4002	Three-way . . . . .	100	.70	
4003	Four-way . . . . .	10	1.75	
<b>(COMPOSITION BASE)</b>				
4000-A	Single Pole . . . . .	100	.45	9-11
4001-A	Double Pole . . . . .	100	.70	
4002-A	Three-way . . . . .	100	.70	
4003-A	Four-way . . . . .	10	1.75	
<b>(KEYSTONE)</b>				
6000	Single Pole . . . . .	100	.45	10-11
6001	Double Pole . . . . .	100	.70	
6002	Three-way . . . . .	100	.70	
<b>(LOCK SWITCHES)</b>				
4004	Single Pole . . . . .	100	.95	12
4005	Double Pole . . . . .	100	1.20	
4006	Three-way . . . . .	100	1.20	
4007	Four-way . . . . .	10	2.25	
4200	Key only . . . . .	10	.15	
<b>PLATES (SWITCH) (STAMPED)</b>				
5011	For one switch . . . . .	100	.15	14-15
5012	For two switches . . . . .	50	.30	
5013	For three switches . . . . .	35	.45	
<b>(SOLID)</b>				
5014	For one switch . . . . .	25	.35	15
5015	For two switches . . . . .	15	.70	
5016	For three switches . . . . .	10	1.05	
5017	For four switches . . . . .	10	1.40	
5018	For five switches . . . . .	10	1.75	
5019	For six switches . . . . .	5	2.10	
5020	For seven switches . . . . .	5	2.45	
5021	For eight switches . . . . .	5	2.80	
<b>(TANDEM SOLID)</b>				
5025	For two switches . . . . .	10	.70	15
5026	For three switches . . . . .	5	1.05	
5027	For four switches . . . . .	5	1.40	
<b>(SPECIAL)</b>				
50	Plug Receptacle and Switch . . . . .	10	1.00	16-17
51	Screw Receptacle and Switch . . . . .	10	.95	
52	Chelten Receptacle, No. 3000, and Switch . . . . .	10	1.00	
53	Indicating Switch Receptacle . . . . .	10	1.60	
54	Red Bull's-eye . . . . .	10	1.25	
55	Indicating Heater—Plug type . . . . .	10	2.25	
56	Indicating Heater—Screw type . . . . .	10	2.20	
56-A	Indicating Heater—"Chelten" type . . . . .	10	2.25	
57	Bell Push and Switch . . . . .	10	1.60	
58	Telephone Outlet, for $\frac{3}{8}$ -in. bushing . . . . .	10	.60	
59	For Chelten Receptacle, No. 3000 . . . . .	10	.65	
60	For Bell Push . . . . .	10	1.25	
61	Blank, to fit Wall Case . . . . .	25	.35	
62	Blank, to fit Switch Lug . . . . .	10	.35	
63	Two-gang Blank, to fit Wall Case . . . . .	5	.70	
64	Three-gang Blank, to fit Wall Case . . . . .	5	1.05	



## INDEX

CAT. NO.	SPECIALTY	STAND. PKG.	LIST	PAGE
<b>RECEPTACLES (CHELTEN COMPOSITION TYPE)</b>				
3000	Complete (Receptacle, Cap, Plate)	100	\$1.40	18
3001	Receptacle with Plate only . . . . .	100	.25	
3002	Receptacle only . . . . .	100	.60	
3003	Cap only (Composition) . . . . .	100	.20	
3004	Cap only (Brass covered) . . . . .	25	.30	
3011	Single-gang Plate . . . . .	100	.65	
3012	Two-gang Plate . . . . .	50	1.30	
3013	Three-gang Plate . . . . .	35	1.95	
3014	Four-gang Plate . . . . .	25	2.60	
<b>ATTACHMENT PLUGS (SEPARABLE)</b>				
2000	Plug with Composition Cap . . . . .	100	.35	19
2001	Plug with Brass-covered Cap . . . . .	50	.50	
2002	Attachment Plug only . . . . .	100	.20	
3003	Cap only (Composition) . . . . .	100	.20	
3004	Cap only (Brass covered) . . . . .	25	.30	
<b>RECEPTACLES (CHAPMAN PLUG TYPE)</b>				
5559	Plug and Receptacle, complete, with Plate . . . . .	100	1.15	20-21
5560	Receptacle only . . . . .	100	.40	
5561	Plug only (Porcelain) . . . . .	100	.20	
5561-A	Plug only (Composition) . . . . .	50	.40	
5562	Single Face Plate . . . . .	100	.55	
5563	Two-gang Face Plate . . . . .	50	1.10	
5564	Three-gang Face Plate . . . . .	35	1.65	
5565	Four-gang Face Plate . . . . .	25	2.20	
<b>RECEPTACLES (EDISON SCREW TYPE)</b>				
6019	Receptacle, complete, with Solid Plate . . . . .	100	.90	22
6019-A	Receptacle, complete, with Stamped Plate . . . . .	100	.80	
6020	Receptacle only . . . . .	100	.30	
6021	Single Face Plate (Solid) . . . . .	100	.60	
6021-A	Single-gang Face Plate (Stamped) . . . . .	100	.50	
6022	Two-gang Face Plate . . . . .	10	1.20	
6023	Three-gang Face Plate . . . . .	5	1.80	
6024	Four-gang Face Plate . . . . .	5	2.40	
<b>INDICATING HEATER RECEPTACLES</b>				
30	Complete device, including plate, double pole switch, plug and receptacle, three-gang switch box, lamp and base receptacle . . . . .	5	6.00	24-27
31	Complete device, including plate, single pole switch, screw receptacle, three-gang switch box, lamp and base receptacle . . . . .	5	5.50	
31-A	Complete device, including plate, double pole switch, Chelten composition receptacle, three-gang switch box, lamp and base receptacle . . . . .	5	6.00	
32	Complete device, including plate, double pole switch, plug and receptacle, three-gang switch box, sign receptacle . . . . .	5	5.00	
33	Complete device, including plate, single pole switch, screw receptacle, three-gang switch box, sign receptacle . . . . .	5	4.50	



# INDEX

CAT. NO.	SPECIALTY	STAND. PKG.	LIST	PAGE
<b>INDICATING SWITCH RECEPTACLES</b>				
40	Complete with plate, single pole push button switch, tandem box, lamp and base receptacle . . . . .	5	\$3.85	28-29
41	Complete with plate, single pole push button switch, two-gang box, lamp and base receptacle . . . . .	5	3.85	
42	Complete with plate, momentary contact switch, tandem box, lamp and base receptacle . . . . .	5	7.00	
43	Complete with plate, momentary contact switch, two-gang box, lamp and base receptacle . . . . .	5	7.00	
<b>SWITCH BOXES (2 IN., 2½ IN. AND 3 IN.)</b>				
8800	Single-gang Spacer type, 3 in. deep for Loom . . . . .	100	.50	
8801	Spacer for same (Loom) . . . . .	100	.40	
9900	Single-gang Spacer type, 3 in. deep for Pipe . . . . .	100	.50	
9901	Spacer for same (Pipe) . . . . .	100	.40	
7801	Single-gang Spacer type, 2 in. deep for Loom . . . . .	100	.50	
7802	Spacer for same (Loom) . . . . .	100	.40	
6800	Single-gang Solid type, 2 in. deep for Pipe . . . . .	100	.50	
8800-c	Single-gang Spacer Clamp Box, 3 in. deep . . . . .	100	.60	
8801-c	Spacer for same (Clamp) . . . . .	100	.50	
7700	2½-in. Box, beveled corners . . . . .	100	.50	
7701	2½-in. Spacer, beveled corners . . . . .	100	.40	
7700-c	2½-in. Box, beveled corners, clamps . . . . .	100	.60	
7701-c	2½-in. Spacer, " . . . . .	100	.50	
<b>CAST IRON CONDUIT BOXES</b>				
8860	Single Box . . . . .	10	.60	34
8861	Two-gang Box . . . . .	5	1.20	
8862	Three-gang Box . . . . .	5	1.80	
8863	Four-gang Box . . . . .	5	2.40	
<b>SIZE GROUND CLAMPS (ADJUSTABLE)</b>				
No. 1	¾, ½, ⅓ and 1-in. Pipe . . . . .	100	.20	35
No. 2	1¼, 1½ and 2-in. Pipe . . . . .	50	.25	
No. 3	2½ and 3-in. Pipe . . . . .	25	.30	
<b>MISCELLANEOUS</b>				
Wiring Diagram for Push Button Switches . . . . .				
Wiring Diagram for Control of Vacuum Cleaner . . . . .				
Freight Rates from Philadelphia . . . . .				
<b>ILLUSTRATIONS</b>				
Factories of the Chelten Electric Co. . . . .				
City of Washington Apartments and Residences . . . . .				
Woodward Building, Washington, D. C. . . . .				
Miscellaneous Installations . . . . .				
Empress Hotel, Victoria, B. C. . . . .				
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29				
36				
4				
6				
11				
21				
23				

